MAR D 1 2002 P.
PETE TRADEMARK

\*EXAMINER:

FORM - 1449		MAR O 1 2002					SHEET 1	OI	1
		The sales	<del>y</del>		ATTY. DOCKET NO.		SERIAL NO.		
		TRADE			414-23747-US		10/045,263		
INFORM	MATIO	N DISCLOSUR	E STATEM	ENT	APPLICANT				
					Xiao Ming Tang et al.				
	(Use ser	veral sheets if ne	cessary)		FILING DATE		GROUP		
					November 7, 2001		N/A		
				U.S. PATE	NT DOCUMENTS				
*EXAMINER INITIAL	:	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING IF APPRO	
Av	AA	4,932,003	06/05/90	Winbow	et al.	367	75	05/19	/82
1	AB	5,027,331	06/25/91	Winbow	et al.	367	75	03/20	/90
	AC	5,831,934	11/03/98	Gill et al.		367	25	07/24	/97
			Gill et al.		181	106	09/28	3/95	
9			Gill et al.		367 25		07/24/97		
	AF								
	AG								
·									
	<u> </u>		F	OREIGN PA	TENT DOCUMENTS			·	
		DOCUMENT	PUBL.	T	•			TRANSL	ATION
		NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO
	АН								
-	ΑI								
ı	AJ								
	Oï	THER DISCLOS	URES (Inclu	iding Autho	or, Title, Date, Pertinent	Pages of P	ublication, Etc.	.)	
A	AK	S. T. Chen; Shed Figures.	ar-wave loggii	ng with quad	drupole sources, Geophysic	s, Vol. 54,	No. 5, (May 1989	9), pp. 590-5	94, 14
2	AL	Andrew L. Kurk 1986), p. 148 16	-		pole sources in fluid-filled b	oreholes, C	eophysics, Vol.	51, No. 1, (Ja	anuary
	AM								
EXAMINER	C	. /		····	DATE CONSIDERED				

Best Available Copy

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not

considered. Include copy of this form with next comment to applicant

			•					
	OIP E TO							
		•	•		0.1.7.7		OF	•
19	OCT 3 0 8003 😤				SHEET	1	OF	i
'"	001 V						•	

FORM - 1449

	1-0								
	TA	& TRADEMAP	•		ATTY. DOCKET NO.		SERIAL NO.		
		4 THAUS.			414-23747-US	•	10/045,263		
INFORM	S MATIO	UPPLEMENTA N DISCLOSUF	AL RE STATEMI	ENT	APPLICANT				
					Xiao Ming Tang et al	•			
	(Use se	veral sheets if n	ecessary)		FILING DATE		GROUP / CONI	FIRMATION	
					November 7, 2001	<del></del>	N/A / 2279		
				U.S. PATI	ENT DOCUMENTS				
*EXAMINER INITIAL					NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIA	
	AA								
	AB							-	
	AC						RECE	IVED	
	AD					,	OCT 3		
	AE						Technology		
-	AF								
	AG								
			FOR	EIGN PA	TENT DOCUMENTS				
		DOCUMENT	PUBL.					TRANSLATIO	N
		NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES NO	
	AH								
	Al								
	AJ								
	<u>.                                    </u>	OTHER DISCI	OSLIPES (Incl.	uding Auth	or, Title, Date, Pertinent P	ages of Publi	ication Ftc.)	<u></u>	
Δ -					D Applications, MIT Ear	- · ·		Annual Report	
Ar	AK	1999, pp. 5-1							
	AL		•			•			
							<del></del>		
	AM	<u> </u>	<u> </u>						
EXAMINER	all	4			DATE CONSIDERED  7/2 4/(	94			
*EXAMINER:		if citation considered			conformance with MPEP 609.	Draw line the	ough citation if no	in conformance and	j not

Best Available Copy

THE					d' .h-	(e)			
an mag r					ATTY. DOCKET NO.		SERIAL NO.		
Ell Long		•			414-23747-US		10/045,263		
TRACE LABOR	SI	UPPLEMENTA N DISCLOSUR		ENT	APPLICANT		<u> </u>		
					Xiao Ming Tang et al.				
	(Use ser	veral sheets if no	ecessary)		FILING DATE		GROUP / CONE	IRMATION	
					November 7, 2001		2635 / 2279		
		,		U.S. PAT	ENT DOCUMENTS				
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING D IF APPROP	
A	AA	4,685,091	08/04/87	Chung e	et al.	367	31	05/10/	84
	AB	5,796,677	08/18/98	Kostek	et al.	367	25	04/20/	94
me s	AC	5,852,587	12/22/98	Kostek	et al.	367	25	02/20/	92
	AD				ŀ	DEC			
•	ΑĖ							EIVE	D
	AF				:			<b>2 5</b> 2003	
	AG						Technolog	y Center 2	600
			FOI	REIGN PA	ATENT DOCUMENTS				-
		DOCUMENT NUMBER	PUBL. DATE		COUNTRY CL		SUBCLASS	TRANSLATION YES NO	
	ΑН								
	AI								
	LA								
		OTHER DISCL	OSURES (Inc	luding Aut	hor, Title, Date, Pertinent Pa	ges of Publi	cation, Etc.)		
	AK								_
	AL								
	AM				•				
EXAMINER	(11)	1 -			DATE CONSIDERED				

considered. Include copy of this form with next comment to applicant

NOV 1 0 2003 35

	المنظال بالمناف المناف	يبرسبب
ATTY. DOCKET NO.	SERIAL NO.	
414-23747-US	10/045,263	

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

APPLICANT

Xiao Ming Tang et al.

(Use several sheets if necessary)

FILING DATE

GROUP / CONFIRMATION

November 7, 2001

N/A / 2279

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
A.	AA	4,951,267	08/21/90	Chang et al.	367	. 31	10/15/86	
	AB	5,077,697	12/31/91	Chang	367	31	04/20/90	
	AC	5,278,805	01/11/94	Kimball	367	32	10/26/92	
	AD	5,510,582	04/23/96	Birchak et al.	181	102	03/06/95	
	AE	5,971,095	10/26/99	Ozbek	181	112	01/08/97	
	AF	6,082,484	07/04/00	Molz et al.	181	102	12/01/98	
9	AG	6,084,826	07/04/00	Leggett, III	367	82	05/26/98	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSL.	
A	АН	EP0778473 A2	11.06.97	EPO		CEIV		
	Al					UV 1 4 ZUU		
	AJ				Techn	ology Cente	r 2600	

## OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

A	AK	Chaur-Jain Hsu et al.; Mandrel effects on the dipole flexural mode in a borehole, J. Acoust. Soc. Am. 104 (4), October 1998, pp. 2025-2039, 11 Figs.
P	AL	V. N. Rama Rao et al.; Acoustics of fluid-filled boreholes with pipe: Guided propagation and radiation, J. Acoust. Soc. Am. 105 (6), June 1999, pp. 3057-3068, 15 Figs.
	AM	

EXAMINER ALLE	DATE CONSIDERED 7/29/89
COUG -	

\*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant

*****		STPE VEIS							
FORM - 1449	( N	گو پر 2003 <sup>0</sup> 1 0 x	l .				SHEET 2	0	F <u>2</u>
		PRADEMARK			ATTY. DOCKET NO.		SERIAL NO.		
		RADEMI			414-23747-US		10/045,263		
INFORM		UPPLEMENTA N DISCLOSUR		ENT	APPLICANT	_			
					Xiao Ming Tang et al.				/
	(Use se	veral sheets if n	ecessary)		FILING DATE		GROUP / CONF	FIRMATION	
					November 7, 2001		N/A / 2279		
				U.S. PATE	NT DOCUMENTS				
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE_		NAME	CLASS	SUBCLASS	FILING IF APPRO	
AL	ВА	6,366,531	04/02/02	Varsamis	et al.	367	36	09/2	2/98
A	BB	6,552,962	04/22/03	Varsamis	et al.	367	25	12/10	5/99
	BC			· · · · · · · · · · · · · · · · · · ·					
	BD								
	BE		·				REC	EIVE	D
	BF						NOV 1	4 2003	
	BG						Technology	Center 2	1600
			FC	DREIGN PA	TENT DOCUMENTS				
		DOCUMENT NUMBER	PUBL. DATE		COUNTRY	CLASS	SUBCLASS	TRANSI	
	вн								
	Bſ								
	BJ								
		OTHER DISCL	OSURES (Inc	luding Autho	or, Title, Date, Pertinent Pa	ges of Publi	cation, Etc.)		
	вк					<del></del>			
	BL								
	ВМ								
EXAMINER	al	W			DATE CONSIDERED	104			

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant